

## SUBJECT OF INVENTION

1. A spherical support which includes a case with a ring plug having internal surface forming a part of a single spherical cavity where a support sphere is mounted which differs by a feature that the ring plug is adjustably movable in parallel to a case axis with length of travel exceeding the radius of the support sphere.
2. A spherical support under item 1 which differs by a feature that such spherical support is provided with a movement lock for a ring plug.
3. A spherical support under one of items 1 or 2 which differs by a feature that a ring plug is connected to a case with threaded joint.
4. A spherical support under one of items 1, 2 or 3 which differs by a feature that the lock of a ring plug is made as a stopper mounted in a through threaded hole in the ring plug.
5. A spherical support under one of items 1, 2 or 3 which differs by a feature that the lock of a ring plug is made as a stopper mounted in a through hole in the ring plug, having ability to press permanently toward the case.
6. A spherical support under one of items 1, 2, 3, 4 or 5 which differs by the feature that hollows are made at case surface which interrelates with the lock.
7. A spherical support under one of items 1, 2, 3, 5 or 6 which differs by the feature that the lock of a ring plug is made as a ratchet gear.

8. A spherical support under one of items 1, 2, 3, 5, 6 or 7 which differs by the feature that the ratchet gear of the lock of a ring plug is reversable.

9. A spherical support under one of items 1, 2, 3, 4, 5, 6, 7 or 8 which differs by the feature that the ring plug has a ring axial bearing rotatable relative to the ring plug, with a rotation axis of the ring axial bearing coinciding with an axis of the ring plug.

10. A spherical support under one of items 1, 2, 3, 4, 5, 6, 7, 8 or 8 which differs by the feature that a support axial bearing contacts with a ring plug along spherical surface, with a centre of spherical surface laying on an axis of the ring plug.

11. A spherical support under one of items 1, 3, 9 or 10 which differs by the feature that a case and a ring plug are connected through a pneumatic actuator.

12. A spherical support under one of items 1, 10 or 11 which differs by the feature that where a case and a ring plug are connected through a pneumatic actuator with a restoring spring.

13. A spherical support under one of items 1, 11 or 12 which differs by the feature that a side of a ring plug opposite to support surface is made as a closed cavity being a case of a pneumatic actuator, where the case acts as a piston.

14. A spherical support under one of items 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12 or 13 which differs by the feature that a support surface of the ring plug is made from a springy material.

Applicant: /signature/ O. F. Nikulin